PRESSURE SWITCH

EPS Pressure switches are used to sense the pressure within a pipeline and safely control it at a set value.



Application Areas:
In appliances such as water heaters, combi boilers, and heating systems, it offers high reliability without consuming energy in cooling water or lubricating oil circuits.

Working Principle:
A pressure signal is obtained by a spring compressed inside the housing and a diaphragm placed in front of it, which moves under pressure and triggers a contact located inside the housing that does not come into contact with the fluid. When the pressure drops to the set level, the contact returns to its original position. A high-precision and long-lasting contact is used.

Measurement Areas	Metal	Plastic
(-) 0.8... (-) 0.1 bar	*	EPS 00p
0,2..1 bar	EPS 01s	EPS 01p
0,5..5 bar	EPS 05s	EPS 05p
1..10 bar	EPS 10s	EPS 10p
2..20 bar	EPS 20s	EPS 20p
10..100 bar	EPS 100s	*
50..200 bar	EPS 200s	*
50..400 bar	EPS 400s	*

Model

- **EPS 01s**
- **EPS 05s**
- **EPS 10s**
- **EPS 20s**
- **EPS 100s**
- **EPS 200s**
- **EPS 00p**
- **EPS 01p**
- **EPS 05p**
- **EPS 10p**
- **EPS 20p**

Advantages

- It has high precision.
- It is easy to adjust and assemble.
- It is economical.

Technical Specifications

	Stainless Steel Type	Plastic Type
Body Material	316 Stainless Steel	Polypropylene
Diaphragm	NBR, Stainless Steel Viton	NBR Opt.Viton
Plastic Parts	Polypropylene	Polypropylene
O-Ring	NBR	NBR
Mechanical Connection	1/4" BSP (Std.)	1/4" BSP (Std.)
Max.Pressure	x1.5	x1.5
Max. Current	5 A / 250 VAC	5A / 250 VAC
Contact	1 x NO / NC	1 x NO / NC
Working Life	10,000,000 times (Depends on working range)	10,000,000 times (Depends on working range)
Working Temperature	(-) 20 °C....(+) 90 °C (-) 20 °C....(+) 150 °C	(-) 20 °C.....(+) 60 °C
Ambient Temperature	(-) 20 °C.....(+) 60 °C (With Viton Diaphragm)	(-) 20 °C.....(+) 60 °C
Relative Humidity	0-98% RH (Non-condensing)	0-98% RH (Non-condensing)
Protection Class	IP 65	IP 65
Weight	200 g.	100 g.
Box Dimensions	50 mm x 90 mm x 90 mm	50 mm x 90 mm x 90 mm

Label



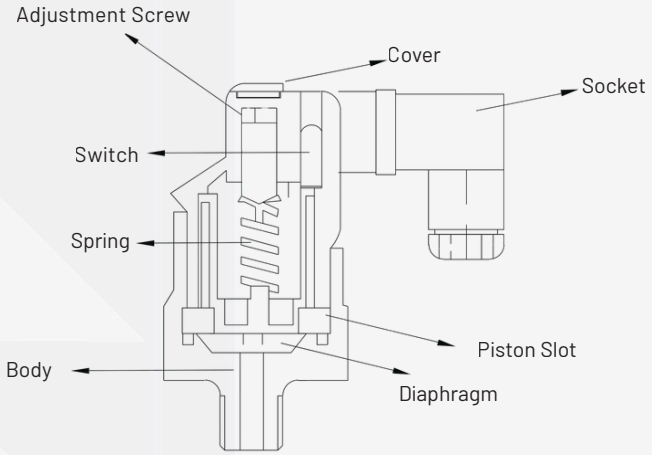
Set Value Adjustment Process

1- Remove the cover above the adjustment thread; you will see a 3mm Allen key.

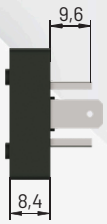
You can make the adjustment using the Allen key included in the box.

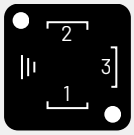
2. Turning the Allen key clockwise increases the set point, and turning it counterclockwise decreases the set point.

3. Once the adjustment process is successful, replace the cover.

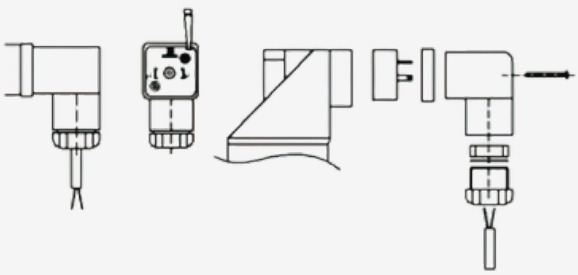


Electrical Connection





Normally Open 1
Normally Closed 2
Common Terminal



Order Method: You can consider sample models in coding!

1 MODEL EPS

Metal Type	Plastic Type
0.2 ...1 bar - **01s**	0.8...(-) 0.1 bar - **00p**
0.5 ... 5 bar - **05s**	0.2 ...1 - **01p**
1 ... 10 bar - **10s**	0.5...5 - **05p**
2 ... 20 bar - **20s**	1 ... 10 bar **10p**
10 ... 100 bar - **100s**	2 ... 20 bar - **20p**
50 ... 200 bar - **200s**	
50 ... 400 bar - **400s**	
Special - **x**	Special - **x**

2 CERTIFICATE

No - **0**	(EN10204-3-1) Material Certification - **1**

3 OUTPUT

Relay NO / NC (5 A) - **11**	Special - **x**

4 ALARM STATUS

Increased Pressure - **0**	Decreasing Pressure - **1**

5 BODY MATERIAL

304 Stainless Steel - **001**	316 Stainless Steel - **002**
Delrin (Max. 60 °C) - **063**	Special - **x**

6 DIAPHRAGM MATERIAL

Stainless Steel Diaphragm (up to 10 bar) - **002**	Viton Diaphragm - 082
NBR Diaphragm - **081**	Special - **x**

7 CONNECTION

1/4" BSP - **0002**	Special - **x**
1/2" BSP - **0004**	

11 OPTIONAL

None **/ 0**	Stainless Steel Diaphragm (up to 10 bar) **/ 1**
	Special **/ x**

EXAMPLE

EPS 100s - 0 - 11 - 0 - 001- 081 - 0002 / 0

- **100s :** Model — 10 ... 100 bar
- **0 :** Certificate — None
- **11 :** Output — Relay NO / NC (5 A)
- **0:** Alarm Status — Increased Pressure
- **001 :** Body Material. — 304 Stainless Steel
- **081 :** Diaphragm Material — NBR Diaphragm
- **0002 :** Connection — 1/2" BSP
- **/ 0 :** Optional — None

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